

Form 1449*	Atty. Docket No.: 303.676US2	Serial No. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Gurtej Singh Sandhu et al.	
	Filing Date: Herewith	Group: Unknown

U.S. PTO  
09/940917  
08/28/01

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>JK</i>	3,900,312	08/19/1975	Terry, J.C., et al.	75	68 B	10/16/72
	4,340,617	07/20/1982	Deutsch, et al.	427	53.1	05/19/80
	4,343,870	08/10/1982	Heller, A., et al.	429	111	09/08/80
	4,359,490	11/16/1982	Lehrer, W.I.	427	95	07/13/81
	4,713,258	12/15/1987	Umemura	427	35	07/03/85
	4,721,631	01/26/1988	Endo, et al.	427	66	03/09/87
	4,751,101	06/14/1988	Joshi, R.V.	427	39	04/30/87
	4,868,005	09/19/1989	Ehrlich, et al.	427	53.1	03/10/88
	4,876,112	10/24/1989	Kaito, et al.	427	38	03/27/87
	4,884,123	11/28/1989	Dixit, P., et al.	357	71	02/19/87
	4,923,717	05/08/1990	Gladfelter, et al.	427	252	03/17/89
	4,957,777	09/18/1990	Ilderem, V., et al.	427	55	10/12/89
	4,971,655	11/20/1990	Stefano, et al.	156	659.1	12/26/89
	5,005,519	04/01/1991	Egermeier, et al.	118	722	03/14/90
	5,015,330	05/14/1991	Okumura, K., et al.	156	643	02/28/90
	5,022,905	06/11/1991	Grundy, et al.	65	60.51	10/12/89
	5,032,233	07/16/1991	Yu, C., et al.	204	192.28	09/05/90
	5,049,975	09/17/1991	Ajika, N., et al.	357	71	03/12/90
	5,124,780	06/23/1992	Sandhu, G.S., et al.	357	67	06/10/91
	5,136,362	08/04/1992	Grief, et al.	357	67	11/27/90
	5,147,819	09/15/1992	Yu, C., et al.	437	173	02/21/91
	5,173,327	12/22/1992	Sandhu, G.S., et al.	427	573	06/18/91
	5,192,589	03/09/1993	Sandhu, G.S.	427	255.1	09/05/91
	5,196,360	03/23/1993	Doan, T.T., et al.	437	41	04/06/92
	5,202,579	04/13/1993	Fujii, H., et al.	257	751	01/21/92
	5,227,331	07/13/1993	Westmoreland, D.	437	174	02/10/92
	5,227,334	07/13/1993	Sandhu	437	190	10/31/91
	5,232,873	08/03/1993	Geva, M., et al.	437	192	10/13/92
	5,240,739	08/31/1993	Doan, T., et al.	427	126.1	08/07/92
	5,246,881	09/21/1993	Sandhu, G.S., et al.	437	192	04/14/93
	5,252,518	10/12/1993	Sandhu, et al.	437	200	03/03/92
	5,254,499	10/19/1993	Sandhu, G., et al.	437	192	07/14/92
	5,258,096	11/02/1993	Sandhu, et al.	156	643	08/20/92
	5,273,783	12/28/1993	Wanner	427	250	03/24/93
	5,275,715	01/04/1994	Tuttle	205	123	01/23/92
	5,278,100	01/11/1994	Doan, T.T., et al.	437	200	11/08/91
	5,306,951	04/26/1994	Lee, et al.	257	755	05/14/92
	5,320,880	06/14/1994	Sandhu, G.S., et al.	427	578	11/18/93
	5,341,016	08/23/1994	Prall, K.D., et al.	257	412	06/16/93
	5,344,792	09/06/1994	Sandhu, G.S., et al.	437	200	03/04/93
<i>JK</i>	5,374,591	12/20/1994	Hasegawa, T., et al.	437	187	03/23/92

Examiner

*JH Vohra*

Date Considered

7-5-02

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449*	Atty. Docket No.: 303.676US2	Serial No. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Gurtej Singh Sandhu et al.	
	Filing Date: Herewith	Group: Unknown

## U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JV	5,376,405	12/27/1994	Doan, T., et al.	427	126.1	04/15/93
	5,381,302	01/10/1995	Sandhu, G., et al.	361	305	08/10/93
	5,384,284	01/24/1995	Doan, T.T., et al.	437	190	10/01/93
	5,384,289	01/24/1995	Westmoreland, D.L.	437	245	06/17/93
	5,391,410	02/21/1995	Nii, T., et al.	427	578	05/28/93
	5,393,564	02/28/1995	Westmoreland, et al.	427	248.1	05/02/94
	5,399,379	03/21/1995	Sandhu	427	255.2	05/11/94
	5,416,045	05/16/1995	Kauffman, et al.	437	174	02/18/93
	5,425,392	06/20/1995	Thakur, et al.	437	173	05/26/93
	5,453,640	09/26/1995	Kinoshita, Y.	257	520	12/20/94
	5,459,353	10/17/1995	Kanazawa, M.	257	751	01/05/95
	5,496,762	03/05/1996	Sandhu, et al.	437	60	06/02/94
	5,506,166	04/09/1996	Sandhu, G.S., et al.	437	60	09/27/94
	5,508,066	04/16/1996	Akahori, T.	427	571	09/14/94
	5,567,243	10/22/1996	Foster, R.F., et al.	118	730	06/06/95
	5,571,572	11/05/1996	Sandhu, G.	427	585	06/30/94
	5,575,708	11/19/1996	Chau, S., et al.	451	305	07/07/95
	5,595,784	01/21/1997	Kaim, R., et al.	427	255.2	08/18/95
	5,607,722	03/04/1997	Vaartstra, et al.	427	248.1	02/09/96
	5,633,200	05/27/1997	Hu, Y.	438	653	05/24/96
	5,641,545	06/24/1997	Sandhu, G.S.	427	573	06/07/95
	5,644,166	07/01/1997	Honeycutt, J., et al.	257	754	07/17/95
	5,693,557	12/02/1997	Hirao, S., et al.	437	60	01/24/96
	5,747,116	05/05/1998	Sharan, S., et al.	427	534	01/16/96
	5,773,890	06/30/1998	Uchiyama, T., et al.	257	753	08/27/96
	5,828,131	10/27/1998	Cabral, Jr., C., et al.	257	757	01/16/96
	5,834,371	11/10/1998	Ameen, M.S., et al.	438	656	01/31/97
	5,838,052	11/17/1998	McTeer, A.	257	437	03/07/96
	5,956,595	09/21/1999	Zenke, M.	438	398	07/15/97
	5,973,402	10/26/1999	Shinriki, H., et al.	257	768	01/30/97
	5,976,976	11/02/1999	Doan, T.T., et al.	438	683	08/21/97
	6,031,288	02/29/2000	Todorobaru, H., et al.	257	754	11/12/96
	6,120,844	09/19/2000	Chen, L., et al.	427	255.28	03/27/96
JV	6,143,362	11/07/2000	Sandhu, G.S., et al.	427	255.391	02/25/98

## FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes   No
	0798777	10/01/1997	European	H01L	21/768	
	8-176823	07/09/1996	Japan	C23C	16/02	
	98/34445	08/06/1998	PCT	H05K	3/26	

Examiner <i>Jeff Vorhew</i>	Date Considered <i>7-5-02</i>
-----------------------------	-------------------------------

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449*	Atty. Docket No.: 303.676US2	Serial No. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Gurtej Singh Sandhu et al.	
	Filing Date: Herewith	Group: Unknown

## FOREIGN PATENT DOCUMENTS

						Translatio
**Examiner						
Initial	Invention Number	Date	Country	Class	Subclass	Yes
No						

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner Initial	
JV	Bachmann, P., et al., "Plasma-Assisted Chemical Vapor Deposition Processes", <u>MRS Bulletin</u> , 52-59, (December 1988)
	Bouteville, A., et al., "TiSi <sub>2</sub> Selective Growth in a rapid thermal low pressure chemical vapor depositoin system", <u>Journal of the Electrochemical Society</u> , 139, 2260-2263, (August 1992)
	Cowher, M., et al., "Low Temperature CVD Garnet Growth", <u>Journal of Crystal Growth</u> , 46, 399-402, (1979)
	Engqvist, J., et al., "Selective deposition of TiSi <sub>2</sub> from H <sub>2</sub> -TiCl <sub>4</sub> Gas mixtures and si: Aspects of Thermodynamics including Critical evaluation of thermochemical data in the Ti-Si System", <u>Journal of the Electrochemical Society</u> , 139, 3197-3205, (November 1992)
	Esquivel, A., et al., "Electrical and Physical Characteristics of Dry Oxygen, High Pressure Oxidation for SUB-0.5 um CMOS Isolation", <u>Abst. Int'l Electron Devices Meeting</u> , (1994)
	Herman, I., "Laser-Assisted Deposition of Thin Films from Gas-Phase and Surface-Adsorbed Molecules", <u>Chem. Rev.</u> , 89, 1323, 1346-1349, (1989)
	Ilderem, V., et al., "Optimized Deposition Parameters for Low Pressure Chemical Vapor Deposited Titanium Silicide", <u>J. Electrochemical Soc. : Solid State Science and Technology</u> , 2590-2596, (Oct. 1988)
	Lee, J., et al., "Plasma enhanced chemical vapor deposition of blanket TiSi <sub>2</sub> on oxide patterned wafers", <u>Journal of the Electrochemical Society</u> , 139, 1159-1165, (April 1992)
	Lie, L., et al., "High Pressure Oxidation of Silicon in Dry Oxygen", <u>J. Electrochemical Soc. : Solid State Science and Technology</u> , 129, 2828-2834, (Dec. 1982)
	Moeller, T., et al., "Semiconducting Elements, Ch. 30", <u>In: Chemistry with Inorganic Qualitative Analysis</u> , 2nd Edition, Academic Press, 995-996, (1984)
JV	Morosanu, C., <u>Thin Films by Chemical Vapor Deposition</u> , Elsevier, N.Y., 42-54 & 460-475, (1990)

Examiner

JV

Date Considered

7-5-02

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPSP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449*	Atty. Docket No.: 303.676US2	Serial No. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Gurtej Singh Sandhu et al.	
	Filing Date: Herewith	Group: Unknown

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

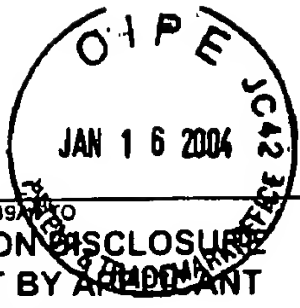
\*\*Examiner  
Initial

JV	Panson, A., et al., "Chemical Vapor Deposition of YBa(2)Cu(3)O(7) Using Metalorganic Chelate Precursors", <u>Appl. Phys. Lett.</u> , 53, 1756-1758, (October 1988)
	Rosler, R., et al., "Plasma-Enhanced CVD of Titanium Silicide", <u>J. Vacuum Science Tech.</u> , B2(4), 733-737, (October/December 198)
	Wolf, S., <u>Silicon Processing for the VLSI Era, Vol. 2: Process Integration</u> , Lattice Press, Sunset Beach, California, 202-203, (1990)
JV	Yu, M., et al., "Surface Chemistry of the WF(6) - Based Chemical Vapor Deposition of Tungsten", <u>IBM J. Research Development</u> , 34, 875-883, (November 1990)

Examiner <i>Jeff Vachon</i>	Date Considered 7-5-02
-----------------------------	------------------------

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPBP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/940917
Filing Date	August 28, 2001
First Named Inventor	Sandhu, Gurtej
Group Art Unit	2822
Examiner Name	Vockrodt, Jeff

Sheet 1 of 1

Attorney Docket No: 303.676US2

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
MW	US2001/0042505	11/22/2001	Vaarstra, Brian A.	117	104	07/18/2001
MW	US-4,994,410	02/19/1991	Sun, S. W., et al.	437	192	02/16/1990
MW	US-5,444,018	08/22/1995	Yost, D. J., et al.	437	190	10/13/1993
MW	US-5,846,881	12/08/1998	Sandhu, G. S., et al.	438	683	12/28/1995
MW	US-5,970,309	10/19/1999	Ha, Jung-min , et al.	438	3	10/15/1997
MW	US-6,140,230	10/31/2000	Li, W.	438	653	07/02/1998
MW	US-6,294,469	09/25/2001	Kulkarni, Milind , et al.	438	689	02/24/2000
MW	US-6,605,533	08/12/2003	Trivedi, Jigish			06/08/2001

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
--------------------	---------------------	------------------	---	-------	----------	----------------

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
--------------------	----------------------	---	----------------

EXAMINER

*MWileczewski*

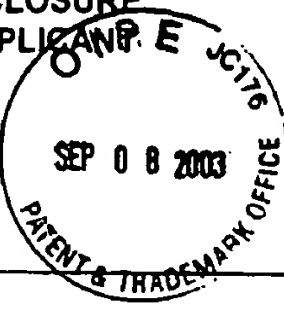
DATE CONSIDERED

*11/2004*

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Complete If Known	
		Application Number	09/940917
		Filing Date	August 28, 2001
		First Named Inventor	Sandhu, Gurtej
		Group Art Unit	2822
		Examiner Name	Vockrodt, Jeff
Sheet 1 of 1		Attorney Docket No: 303.676US2	

US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
MW	US2002/0000662	01/03/2002	Sandhu, G S., et al.	257	754	08/28/2001
MW	US-6,153,490	11/28/2000	Xing, G , et al.	438	396	06/26/1998

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
MW	JP-40-7097679	04/11/1995	Fukui, H , et al.	C23 C	14/06	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

RECEIVED  
SEP 11 2003  
TECHNOLOGY CENTER 2800

EXAMINER

MWilezewski

DATE CONSIDERED

11/2004